



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
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 P.O. Box 1450
 Alexandria, Virginia 22313-1450
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APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/816,178	03/31/2004	Gary Johnson	34020/US

CONFIRMATION NO. 7900

Edward W. Bulchis, Esq.
 DORSEY & WHITNEY LLP
 Suite 3400
 1420 Fifth Avenue
 Seattle, WA 98101

FORMALITIES LETTER



OC000000012926349

Date Mailed: 06/14/2004

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

09/01/2004 GWORDOF1 00000003 10816178

FILED UNDER 37 CFR 1.53(b)

01 FC:1001	770.00 OP
02 FC:1201	258.00 OP
03 FC:1202	702.00 OP
04 FC:1051	130.00 OP

*Filing Date Granted*Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.
Applicant must submit \$ 770 to complete the basic filing fee for a non-small entity. If appropriate, applicant may make a written assertion of entitlement to small entity status and pay the small entity filing fee (37 CFR 1.27).
- The oath or declaration is missing.
A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Replacement drawings in compliance with 37 CFR 1.84 and 37 CFR 1.121 are required. The drawings submitted are not acceptable because:
 - The drawings must be reasonably free from erasures and must be free from alterations, overwriting, interlineations, folds, and copy marks. See Figure(s) 3,4,5,9,11.
 - The drawings must be made on paper that has a white background (see 37 CFR 1.84 (e)). For example, drawings on graph paper, lined paper, or paper that has a non-white background are not acceptable. See Figure(s) 4,5,9,10,11,12.

The applicant needs to satisfy supplemental fees problems indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Additional claim fees of **\$960** as a non-small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.

SUMMARY OF FEES DUE:

Total additional fee(s) required for this application is **\$1860** for a Large Entity

- **\$770** Statutory basic filing fee.
- **\$130** Late oath or declaration Surcharge.
- Total additional claim fee(s) for this application is **\$960**
 - **\$258** for 3 independent claims over 3.
 - **\$702** for 39 total claims over 20.

Replies should be mailed to: Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

*A copy of this notice **MUST** be returned with the reply.*

M-HAILE
Customer Service Center
Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

FEE TRANSMITTAL SHEET (FOR FY 2004)



Complete if Known

Application No.	10/816,178
Filing Date	March 31, 2004
First Named Inventor	Gary Johnson et al.
Group Art Unit	2816
Examiner	Not yet assigned
Atty. Docket Number	34020/US

METHOD OF PAYMENT (Check One)

1. ☒ The Commissioner is hereby authorized to charge any additional fee required under 37 C.F.R. §§ 1.16 and 1.17 and 1.136(a)(3) and credit any over payments to Deposit Account No.: 50-1266; Deposit Account Name: DORSEY & WHITNEY LLP

2. ☒ Check Enclosed

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	<input checked="" type="checkbox"/> Utility Filing Fee	
1002	340	2002	170	<input type="checkbox"/> Design Filing Fee	
1003	530	2003	265	<input type="checkbox"/> Plant Filing Fee	
1004	770	2004	385	<input type="checkbox"/> Reissue Filing Fee	
1005	160	2005	80	<input type="checkbox"/> Provisional Filing Fee	
Subtotal (1)					\$770

2. EXTRA CLAIM FEES

Current Claims	Prior	Extra	Fee	Fee Paid
Total	59	- 20	= 39 x \$ 18	= \$ 702
Ind.	6	- 3	= 3 x \$ 86	= \$ 258
Multiple Dependent Claims			x \$	= \$
Subtotal (2)				\$ 1028

Large Entity		Small Entity		Fee Description	Fee paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1202	18	2202	9	Claims in excess of 20	
1201	86	2201	43	Independent claims in excess of 3	
1203	290	2203	145	Multiple dependent Claim	
1204	86	2204	43	Reissue independent claims over original patent	
1205	18	2205	9	Reissue claims in excess of 20 and over original patent	

FEE CALCULATION (Continued)

3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - Late filing fee or oath	\$130
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	\$
1053	130	1053	130	Non-English specification	\$
1812	2,520	1812	2,520	For Filing a Request for <i>ex parte</i> Reexamination	\$
1804	920	1804	920	Requesting publication of SIR prior to Examiner action	\$
1805	1,840	1805	1,840	Requesting publication of SIR after Examiner action	\$
1251	110	2251	55	Extension for reply within first month	\$ 110
1252	420	2252	210	Extension for reply within 2 nd month	\$
1253	950	2253	475	Extension for reply within 3 rd month	\$
1254	1,480	2254	740	Extension for reply within 4 th month	\$
1255	2,010	2255	1,005	Extension for reply within 5 th month	\$
1401	330	2401	165	Notice of Appeal	\$
1402	330	2402	165	Filing a brief in support of an appeal	\$
1403	290	2403	145	Request for oral hearing	\$
1814	110	2814	55	Terminal Disclaimer Fee	\$
1452	110	2452	55	Petition to revive - unavoidable	\$
1453	1,330	2453	665	Petition to revive - unintentional	\$
1501	1,330	2501	665	Utility/Reissue issue fee	\$
1502	480	2502	240	Design issue fee	\$
1503	640	2503	320	Plant issue fee	\$
1460	130	1460	130	Petitions to the Commissioner	\$
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	\$
1806	180	1806	180	Submission of IDS	\$
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	\$
1801	770	2801	385	Request for Continued Examination (RCE)	\$
Other fee (specify)					\$
Subtotal (3)					\$240

Total Amount of Payment: \$1970

Submitted by:

Name: Edward W. Bulchis

Reg. No.: 26,847

Telephone: (206) 903-8800

Signature: *Edward W. Bulchis*

Date: *Aug. 26, 2004*



PATENT

I hereby certify that on the date specified below, this correspondence is being deposited with the United States Postal Service as first-class mail in an envelope addressed to Mail Stop Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

August 27, 2004
Date

Carolyn L. Ross
Carolyn L. Ross

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. :	10/816,178	Confirmation No. :	7900
Applicants :	Gary Johnson et al.		
Filed :	March 31, 2004	Attorney Docket No.:	34020/US
Art Unit :	2816	Customer No. :	27,076
Examiner :	Not yet assigned		
Title :	PHASE DETECTOR AND METHOD HAVING HYSTERESIS CHARACTERISTICS		

RESPONSE TO NOTICE TO FILE MISSING PARTS OF APPLICATION

Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the Notice to File Missing Parts dated June 14, 2004, please find enclosed a Declaration, Election and Power of Attorney and copy of Notice to File Missing Parts for the above-identified application. Applicants herewith petition the Commissioner for Patents under 37 C.F.R. § 1.136(a)(3) for a one-month extension of time for filing this response from August 14, 2004, to September 14, 2004. Submitted herewith is a check in the amount of \$1970, which includes \$110 to cover the cost of the extension. Any deficiency or overpayment should be charged or credited to Deposit Account No. 50-1266.

Also enclosed is a General Authorization Under 37 C.F.R. § 1.136(a)(3).

Also enclosed are 13 replacement sheets of formal Figures 1-14 for filing.

The fees have been calculated as follows:

09/01/2004 GWORDDF1 00000003 10816178

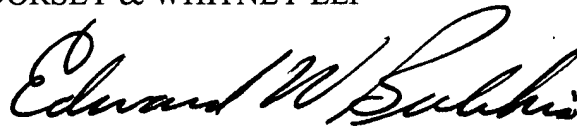
05 FC:1251

110.00 DP

Basic Fee	\$ 770
Total Claims (59, 39 extra)	702
Independent Claims (6, 3 extra)	258
Missing Parts Surcharge	130
Total	\$ 1860
One mo. Extension-of-Time Fee	110
TOTAL	\$ 1970

Enclosed is a check in the amount of \$1970 for the requisite fees. The Commissioner is hereby authorized to charge any additional filing fees or to credit any overpayment to Deposit Account No. 50-1266. A duplicate copy of this response is enclosed.

Respectfully submitted,
DORSEY & WHITNEY LLP



Edward W. Bulchis
Registration No. 26,847

EWB:clr

Enclosures:

- Postcard
- Check
- Fee Transmittal Sheet (+ copy)
- Copy of this Response
- Declaration
- Election and Power of Attorney
- General Authorization Under 37 C.F.R. § 1.136(a)(3)
- 13 Replacement Sheets of Formal Drawings (Figures 1-14)
- Copy of Notice to File Missing Parts

1420 Fifth Avenue, Suite 3400

Seattle, WA 98101

Tel: (206) 903-8800

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PATENT

I hereby certify that on the date specified below, this correspondence is being deposited with the United States Postal Service as first-class mail in an envelope addressed to Mail Stop Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

August 27, 2004
Date

Carolyn L. Ross
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/816,178	Confirmation No. : 7900
Applicants : Gary Johnson et al.	Examiner : Not yet assigned
Filed : March 31, 2004	Attorney Docket No.: 34020/US
Art Unit : 2816	Customer No. : 27,076
Title : PHASE DETECTOR AND METHOD HAVING HYSTERESIS CHARACTERISTICS	

FILING FORMAL DRAWINGS

Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Enclosed are 13 replacement sheets of formal drawings, Figures 1-14, for filing in the above-identified application.

Respectfully submitted,

Gary Johnson et al.

Date: August 26, 2004

By: Edward W. Bulchis
Edward W. Bulchis, Reg. No. 26,847
Customer No. 27,076
Dorsey & Whitney LLP
1420 Fifth Avenue, Suite 3400
Seattle, WA 98101
(206) 903-8785
Attorney for Applicant(s)

EWB:clr

Enclosure:

Postcard

Formal Drawings (13 Sheets, Figs. 1-14)